

228-501

5/9/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

MAY - 9 2014

Carrie M. Tackema
Nufarm Americas Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

Subject: Notification to include two optional marketing claims "Nufarm Grow a better tomorrow", "Grow a better tomorrow" per PRN 98-10

Dear Ms. Tackema:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10, dated April 23, 2014, for "Mallet 0.5-G Insecticide," EPA Reg. No. 228-501.

The Registration Division (RD) has conducted a review of your request for applicability under PRN 98-10, and finds that the action requested falls within the scope of PRN 98-10. The label submitted with your application has been stamped "Notification" and added to the product record.

If you have any questions, please contact me directly at 703-347-0559 or email me at marchese.jacquelyn@epa.gov.

Sincerely,

Jacquelyn Marchese

Jacquelyn Marchese
Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs

EXPEDITE

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United States
Environmental Protection Agency
Washington, DC 20460

- Registration
- Amendment
- Other:

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 228-501	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Mallet 0.5 G Insecticide	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas Inc. 4020 Aerial Center Parkway, Suite 101 Morrisville, NC 27560 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

- Amendment – Explain below.
- Final printed label in response to Agency letter dated : _____
- Resubmission in response to Agency letter dated _____
- "Me Too" Application
- Notification - Explain below.
- Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

NOTIFICATION PER PRN 98-10

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

CONTACT: Carrie M. Tackema (919) 379-2528 or carrie.tackema@us.nufarm.com

Nufarm Americas, Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

NOTIFICATION

MAY - 9 2014

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify):
* Certification must be submitted			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Other <u>Crack and Peel</u> <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name Carrie M. Tackema	Title Regulatory Manager	Telephone No. (Include Area Code) (919) 379-2528
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature 	3. Title Regulatory Manager
4. Typed Name Carrie M. Tackema	4. Date April 23, 2014



+1 919.379.2511
 +1 919.467.5921
 4020 Aerial Center Parkway, Suite 100
 Morrisville, NC 27560
 www.nufarm.com

Via Courier Delivery

April 23, 2014

Ms. Venus Eagle, PM#1
 Document Processing Desk (NOTIF)
 Office of Pesticide Programs (7504P)
 U. S. Environmental Protection Agency
 Room S-4900, One Potomac Yard
 2777 S. Crystal Drive
 Arlington, VA 22202-4501

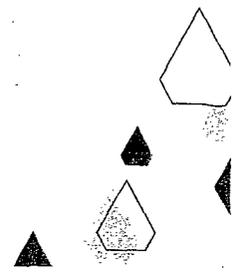
RE: NOTIFICATION(s) per PRN 98-10

Nuprid 2 F Insecticide	EPA Reg. No. 228-484
Mallet 2F Insecticide/Grub Ex Pro	EPA Reg. No. 228-485
Mantra 2F Insecticide	EPA Reg. No. 228-486
Nuprid 1.6F Insecticide	EPA Reg. No. 228-488
Mallet 0.2% on Fertilizer	EPA Reg. No. 228-500
Mallet 0.5 G Insecticide	EPA Reg. No. 228-501
Mallet 2.5 G Insecticide	EPA Reg. No. 228-502
Mallet 0.2 Granular Insecticide	EPA Reg. No. 228-510
Mantra 1G Greenhouse and Nursery Insecticide	EPA Reg. No. 228-523
Mallet 1.47% Concentrate	EPA Reg. No. 228-525
Nuprid 4.6F Insecticide	EPA Reg. No. 228-527
Nuprid 4F Insecticide	EPA Reg. No. 228-528
Nuprid-S WG	EPA Reg. No. 228-529
Atera GC 2+1 SC Insecticide	EPA Reg. No. 228-557
Mallet 7.1% PF Insecticide	EPA Reg. No. 228-562
Nuprid 2SC Soil/Foliar Insecticide	EPA Reg. No. 228-572
Mallet 0.2 G	EPA Reg. No. 228-587
Mallet 75 WP	EPA Reg. No. 228-588
Mantra 60 WSP	EPA Reg. No. 228-681
Mallet 2F T&O Insecticide	EPA Reg. No. 228-695
Kilter Insecticide	EPA Reg. No. 228-717
Bounty Turf and Ornamental Insecticide	EPA Reg. No. 1001-82

Dear Ms. Eagle:

Enclosed please find twenty-two (22) application(s) for pesticide registration – NOTIFICATION for the above-referenced product(s). The purpose of these NOTIFICATION(s) is to include two (2) optional marketing claims:

Nufarm Grow a better tomorrow
Grow a better tomorrow



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Page 2 of 2

These NOTIFICATION(s) are consistent with PRN 98-10; specifically, II N. In support of these NOTIFICATION(s) enclosed are the following:

- EPA form 8570-1 Application for Pesticide Registration – NOTIFICATION; and
- Proposed product labeling in PDF format on CD-rom.

Please contact me at directly at (919) 379-2528 or by email at carrie.tackema@us.nufarm.com if you have any questions regarding this action.

Sincerely,



Carrie M. Tackema
Regulatory Manager

Enclosure(s)

5/14

GROUP

4A

INSECTICIDE

Mallet® 0.5 G

INSECTICIDE

FOR SYSTEMIC INSECT CONTROL in LANDSCAPE, NURSERY, and GREENHOUSE ORNAMENTALS, and in TURFGRASS

ACTIVE INGREDIENT:

Imidacloprid. 0.5%

OTHER INGREDIENTS: 99.5%

TOTAL: 100.0%

RESTRICTION: Not for Sale, Use or Distribution In or Into Nassau, Suffolk, Kings, or Queens Counties in New York State.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE THE BACK OF THIS BAG FOR ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

NOTIFICATION

MAY - 9 2014

EPA REG. NO. 228-501
EPA EST. NO. _____

Manufactured For
NUFARM AMERICAS INC.
11901 South Austin Avenue
Alsip, IL 60803



NET CONTENTS _____ Lbs. (_____ Kg)

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.
- Shoes plus socks.
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

DO NOT contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Note to Reviewer: the two statements in brackets below may be used as they relate to *Tilia* species:

[**DO NOT** apply this product, by any application method, to linden, basswood or other *Tilia* species in the State of Oregon.]

[DO NOT apply this product, by any application method, to linden, basswood or other *Tilia* species.]

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the **restricted-entry interval (REI) of 12 hours**. Exception: If this product is applied by drenching, the Worker Protection Standard, under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated area until dry.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES AND COMMERCIAL FISH PONDS.

RUNOFF MANAGEMENT

DO NOT cultivate within 10 feet of the aquatic areas to allow growth of vegetative filter strip. When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Natural Resources Conservation Service for recommendations in your use area.

ENDANGERED SPECIES NOTICE

Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult your local county bulletin, County Extension Agent, or Pesticide State Lead Agency for information concerning endangered species in your area.

RESISTANCE MANAGEMENT

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area.

This product contains a Group 4A insecticide called imidacloprid. Insect biotypes with acquired or inherent tolerance to group 4A products may eventually dominate the insect population if Group 4A products are used repeatedly as the predominant method of control for targeted species. This may eventually result in partial or total loss of control of those species by this product and to other Group 4A products.

The active ingredient in this product is a member of the neonicotinoid chemical group. Avoid using a block of more than three consecutive applications of this product and/or other Group 4A products having the same or similar mode of action. Following a neonicotinoid block of treatments, Nufarm strongly encourages the rotation to a block of applications with effective products of a different mode before using additional applications of neonicotinoid products. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect pest's ability to develop resistance to this class of chemistry.

Foliar applications of this product or other Group 4A products from the neonicotinoid chemical class should not be used on crops previously treated with long-residual, soil-applied products from the neonicotinoid chemical class.

Other Group 4A, neonicotinoid products used as foliar treatments include: Actara®, Assail®, Calypso®, Centric®, Intruder™, Leverage® and Trimax™. Other 4A Group, neonicotinoid products used as soil treatment include: Admire® and Platinum®.

Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://irac-online.org/>.

PRODUCT INFORMATION

This product is a systemic insecticide and will be translocated upward within the plant. The active ingredient in this product has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. To assure optimum effectiveness, the product must be placed where the roots of the plant can absorb the active ingredient. Irrigate modestly, but thoroughly after application, allowing no leaching and runoff from treatment area.

High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods.

DO NOT apply when treatment area is water saturated. The treated area must be in such a condition that rainfall or irrigation will penetrate vertically into the soil profile.

RESTRICTION: **DO NOT** apply more than a total of 80 lb (0.4 lb of active ingredient) per acre per year.

Resistance: Some insects are known to develop resistance to Insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Consult your Cooperative Extension Service for resistance management strategies and recommended pest management practices for your area.

Incorporation: Incorporation of this product can be achieved by cultivation, irrigation, rainfall, mechanical placement or by using mechanical soil or media mixing equipment.

Woody Perennials: Onset of protection is slower than in herbaceous species. A delay of 2 or more weeks should be expected. Longer delays may be expected with larger plants. Application should therefore be made in advance of expected insect activity.

Bark Media: Media with 30% or more bark content when treated with this product may confer a shorter period of protection.

APPLICATION TO TURFGRASSES and LANDSCAPE ORNAMENTALS

Use this product for the control of listed soil inhabiting pests of turfgrass and landscaped ornamentals as directed on the use sites listed below.

Use this product as a broadcast application to the soil around plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds in and around the perimeter of industrial and commercial buildings and on residential areas. Make application prior to anticipated pest infestation to maximize control. Rainfall, irrigation and mechanical incorporation after application will aid in maximizing control.

APPLICATION EQUIPMENT

Apply this product uniformly over the area being treated with granular application equipment. Both drop-type and rotary-type spreaders may be used to apply this product. **DO NOT** use spreaders that apply the material in narrow, concentrated bands. Calibrate all application equipment at the time of application to achieve the specified application rate.

Use the "SPREADER SETTINGS FOR THIS PRODUCT" table below as a guide in establishing an accurate rate of this product. Application rates will vary depending upon speed, equipment wear, and condition of spreader.

TURFGRASSES (Lawns)	
PEST	DOSAGE
For control of: Annual bluegrass weevil Asiatic garden beetles (<i>Maladera</i> spp.) Billbugs Black turfgrass ataenius European chafer European Crane Fly Green June beetle Japanese beetle May or June beetles Northern masked chafer Oriental beetle (<i>Phyllophaga</i> spp.) Southern masked chafer	60 to 80 lb per acre or 1.4 to 1.8 lb per 1000 sq ft
For control of: Mole crickets	80 lb per acre or 1.8 lb per 1000 sq ft
For suppression of: Chinchbugs Cutworms	
Remarks	
<p>For control of grubs, billbugs, European crane fly and annual bluegrass weevil, make application prior to egg hatch of the target pest.</p> <p>For control of mole crickets make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling, accompany this product with a remedial insecticide.</p> <p>For suppression of chinchbugs, make application prior to the hatching of the first instar nymphs.</p> <p>Consult your local State Agricultural Experiment Station, or State Extension Turf Specialists for more specific information regarding timing of application.</p> <p>Irrigation or rainfall is required within 24 hours after application to move the active ingredient through the thatch.</p> <p>On golf courses, irrigate treated areas following application.</p>	
Restrictions	
<p>DO NOT apply more than 80 lb (0.4 lb of active ingredient) per acre per year.</p> <p>DO NOT mow turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.</p> <p>DO NOT allow runoff or puddling of irrigation water following application.</p> <p>DO NOT apply this product to water-logged or saturated areas. Application of this product to water-logged or saturated areas will not allow penetration into the root zone of the plant.</p> <p>DO NOT graze treated areas or use clippings from treated areas for feed or forage.</p>	

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ORNAMENTALS: Landscape Plantings (including trees, shrubs, evergreens, flowers, foliage & bedding plants, and ground covers.	
PEST	DOSAGE
For control of: White grub larvae (including Japanese beetle larvae, Chafers, <i>Phyllophaga</i> spp., Asiatic garden beetle, Oriental beetle)	1.4 to 1.8 lb per 1000 sq ft
Remarks	
Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier materials that inhibit water permeability. Mechanical incorporation, irrigation or rainfall is required within 24 hours after application to move the active ingredient into soil.	
Restrictions	
<p>DO NOT apply more than 80 lb (0.4 lb of active ingredient) per acre per year.</p> <p>DO NOT allow runoff or puddling of irrigation water following application.</p> <p>DO NOT apply this product to water-logged or saturated areas. Application of this product to water-logged or saturated areas will not allow penetration into the root zone of the plant.</p>	

APPLICATION TO GRASSY AREAS IN NURSERIES AND NURSERY GROWN ORNAMENTALS

Use this product on grassy areas in nurseries, around nursery grown ornamentals, and between planting rows in nurseries to control listed pests. Make application prior to anticipated pest infestation to maximize control. Rainfall, irrigation and mechanical incorporation after application will aid in maximizing control.

APPLICATION EQUIPMENT

Apply this product uniformly over the area being treated with granular application equipment. Both drop-type and rotary-type spreaders may be used to apply this product. **DO NOT** use spreaders that apply the material in narrow, concentrated bands. Calibrate all application equipment at the time of application to achieve the specified application rate.

Use the "SPREADER SETTINGS FOR THIS PRODUCT" table below as a guide in establishing an accurate rate of this product. Application rates will vary depending upon speed, equipment wear and condition of spreader.

GRASSY AREAS IN NURSERIES	
PEST	DOSAGE
For control of: Annual bluegrass weevil Asiatic garden beetles (<i>Maladera</i> spp.) Billbugs Black turfgrass ataenius European chafer European Crane Fly Green June beetle Japanese beetle May or June beetles Northern masked chafer Oriental beetle (<i>Phyllophaga</i> spp.) Southern masked chafer	60 to 80 lb per acre or 1.4 to 1.8 lb per 1000 sq ft
For control of: Mole crickets	80 lb per acre or 1.8 lb per 1000 sq ft
For suppression of: Chinchbugs Cutworms	

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Remarks
<p>For control of grubs, billbugs, European crane fly and annual bluegrass weevil, make application prior to egg hatch of the target pest.</p> <p>For control of mole crickets make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling, accompany this product with a remedial insecticide.</p> <p>For suppression of chinchbugs, make application prior to the hatching of the first instar nymphs.</p> <p>Consult your local State Agricultural Experiment Station, or State Extension Turf Specialists for more specific information regarding timing of application.</p> <p>Irrigation or rainfall is required within 24 hours after application to move the active ingredient through the thatch.</p>
Restrictions
<p>DO NOT apply more than 80 lb (0.4 lb of active ingredient) per acre per year.</p> <p>DO NOT mow grassy area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.</p> <p>DO NOT allow runoff or puddling of irrigation water following application.</p> <p>DO NOT apply this product to water-logged or saturated areas. Application of this product to water-logged or saturated areas will not allow penetration into the root zone of the plant.</p> <p>DO NOT graze treated areas or use clippings from treated areas for feed or forage.</p>

NURSERY GROWN ORNAMENTALS (in Field and Forest Nurseries)	
PEST	DOSAGE
<p>For control of: White grub larvae (including Japanese beetle, Masked Chafers, European Chafer, Oriental beetle, Asiatic Garden beetle)</p>	<p>Use 5.4 lbs per 1000 linear row ft. or per 3000 sq. ft.</p>
Remarks	
<p>Apply as a uniform band on either side of planting rows using a band six (6) inches wider than the actual root ball diameter to be dug. DO NOT allow bands in adjacent rows to overlap.</p> <p>Vegetation in the area to be treated should be mowed to a height of 3 inches or less prior to application. Mowing to the lowest possible height will insure greater consistency of control.</p> <p>Apply May through July. Irrigation or rainfall is required within 24 hours after application.</p>	
Restrictions	
<p>DO NOT apply more than 80 lb (0.4 lb of active ingredient) per acre per year.</p> <p>DO NOT allow runoff or puddling of irrigation water following application.</p> <p>DO NOT apply this product to water-logged or saturated areas. Application of this product to water-logged or saturated areas will not allow penetration into the root zone of the plant.</p> <p>DO NOT exceed an application frequency of more than once each 16 weeks on nursery ornamentals with a production cycle of less than one (1) year.</p> <p>DO NOT exceed one (1) application per year on nursery ornamentals with a production cycle of greater than one year.</p> <p>Rotational Crops:</p> <p>Food Crops: Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient.</p> <p>For crops not listed on any imidacloprid label, or for crops for which no tolerances for the active ingredient have been established, a 12 month plant-back interval must be observed.</p>	

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APPLICATION TO GREENHOUSE AND NURSERY ORNAMENTALS GROWN IN FLATS, ON BENCHES, IN BEDS, AND IN CONTAINERS

To control listed pests, incorporate this product into potting mix prior to planting or for topical applications to greenhouse and nursery ornamentals grown in flats, on benches, in beds, and in containers.

GREENHOUSE and NURSERY GROWN ORNAMENTALS (on Flats, on Benches, in Beds, and in Containers)

PESTS

For control of: Adelgids, Aphids, Fungus gnat (larvae)¹, Japanese beetles (adults), Lacebugs, Leaf beetles (including Elm and Viburnum leaf beetles), Leafhoppers (including glassy-winged sharpshooter), Leafminers, Mealybugs, Psyllids, Root weevil complex (such as Black vine weevil, Apopka weevil, Citrus root weevil²), Soft scale, Whiteflies, White grub larvae (such as Japanese beetle, Chafer, European chafer, Oriental beetle, Asiatic garden beetle)

For suppression of: Armored scale, Thrips³

¹ Fungus gnat larvae in the soil will be controlled by incorporation. No adult Fungus Gnat control. Other foliar insect control is achieved by the uptake of this product from a healthy root system translocating the active ingredient up into the plant.

² Citrus Root Weevil: Only for use on non-bearing citrus nursery stock.

³ Thrips suppression on foliage only. Thrips in buds and flowers will not be suppressed.

USE RATES

1 level teaspoon (tsp) = 3.0 grams
3 tsp = 1 tablespoon (TBSP)

TREATMENT	Container size (inches)		Bulk Application				Topical Application			
			# pots / yd ³ of mix		lbs / yd ³		level tsp.		grams / pot	
Herbaceous Species (1 or 2 plants per pot)	2.0	3.0	4500	3200	14.0	7.0	1/3	2/3	1.0	2.0
	3.5	5.0	1600	1300	7.8	6.0	2/3	1	2.0	2.8
	5.5	7.0	900	400	3.6	2.4	1	1-1/3	2.8	4.0
	8.0	10.0	200	160	2.0	1.6	1-1/3	2	4.0	5.4
	11.0	12.0	80	60	1.6	1.0	2	2-3/4	5.4	8.2
Woody Perennial and Herbaceous Species (3 or more plants per pot)	2.0	3.0	4500	3200	18.0	14.0	2/3	1	2.0	2.6
	3.5	5.0	1600	1300	12.0	8.0	1	1-1/3	2.6	4.0
	5.5	7.0	900	400	5.0	4.0	1-1/3	2	4.0	5.4
	8.0	10.0	200	160	3.0	2.0	2	2-3/4	5.4	8.2
	11.0	12.0	80	60	2.0	1.6	2-3/4	4	8.2	12.2
Containerized Plants	1 Gallon		260	230	10.0	5.0	3-1/3	6-2/3	10	20
	2 Gallon		125	100	8.8	4.2	6-2/3	13-1/3	20	40
	3 Gallon		70	60	6.6	3.4	10	20	30	60
	5 Gallon		50	30	4.0	2.0	12-1/3	24-2/3	37	74
Ornamentals grown in flats, benches, or beds	30 ounces per 1000 sq ft									

Remarks

Bulk Rate Application: Mix the required amount of this product per cubic yard of medium. Mix thoroughly before filling pots and transplanting.

Topical Application: May be made at transplanting, repotting, or on established containerized plants. Irrigate moderately after application to move the active ingredient into the root zone. **DO NOT** allow significant leaching and runoff for at least 3 irrigations or 10 days, whichever is longer.

Ornamentals grown in flats, benches, or beds: Apply as a broadcast treatment and incorporate into the soil or media before planting, irrigate moderately after application to move the active ingredient into the root zone. Minimize leaching and runoff for at least 3 irrigations or 10 days, whichever is longer.

All Treatments: For optimum control, make applications prior to egg hatch of the target pest. Irrigate moderately after application to move the active ingredient into the root zone.

Restrictions

DO NOT exceed an application frequency of more than once each 16 weeks on nursery ornamentals with a production cycle of less than one (1) year.

DO NOT exceed one (1) application per year on nursery ornamentals with a production cycle of greater than one year.

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SPREADER SETTINGS FOR THIS PRODUCT			
SPREADER	SPEED (mph)	SETTINGS	
		60 lb/A	80 lb/A
Cyclone Model CB4000	3	3-1/4	3-1/2
Earthway Drop	3	9	10
Earthway 10' Rotary	3	11	12
Gandy Turf Tender 24"	3	16	19
Gandy Turf Tender 42"	3	21	23
Lely	4.5	3.5	-
Lesco Model 6000	3	B 1/2	C
PSB Prizelawn CBR-II	3	3-1/4	3-1/2
Scott's Proturf R-8A	3	H	I
Scott's Proturf SR-1	3	H	I
Scott's PF1, PF-2, PF-3, PF-4	3	4	4-1/2
Scott's SS-1 Drop	3	4	4-1/2
Spyker Model 34	3	3.1	3.2
Vicon Model PS-203	4.5	13	16

[Optional Text in brackets (including table below):

[Spreader Settings for Overall Lawn Application]

[The following chart can be used as a guide in establishing an accurate rate of this product. Applications will vary depending upon speed, equipment wear and condition of spreader]

Drop Spreaders		Rotary Spreaders	
Republic EZ #530	xx	Earthway	xx
Scotts AccuGreen	xx	Republic EZ #540	xx
Sears Drop	xx	Scotts SpeedyGreen	xx
		Sears Rotary	xx

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, or feed. Store in original containers and out of the reach of children, preferably in a locked storage area. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide is a violation of Federal law.

CONTAINER DISPOSAL:

[Nonrefillable bags]

Nonrefillable container. DO NOT reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available; or dispose of empty bag in a sanitary landfill or by incineration. **DO NOT** burn unless allowed by state and local ordinance. If burned stay out of smoke.

SPILLS: If the container is leaking or material is spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material.

DO NOT walk through spilled material. Dispose of as directed for pesticides above, or apply uncontaminated product according to Directions For Use. Keep unauthorized people away. For chemical spill, leak, fire, or exposure, you may contact CHEMTREC at 800-424-9300.

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WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV042314)

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Marketing Claims:

- One application kills grubs all season long.
- Apply anytime - Spring through late Summer.
- Systemic Insecticide for use on turfgrass & landscape ornamentals.
- Contains Imidacloprid, the Active Ingredient used in Merit®.
- Nufarm: Grow a better tomorrow
- Grow a better tomorrow